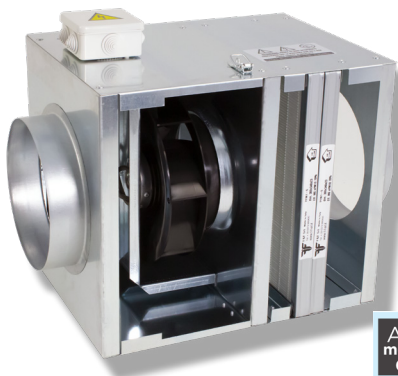


# FIL-BOX/AC



## EXTRACTORES EN LÍNEA PARA CONDUCTOS CIRCULARES IN-LINE FANS FOR CIRCULAR DUCTS





Ventiladores de caja con impulsor de palas invertidas y aspiración única (plug fan). Adecuados para extraer aire con caudales entre 200 y 4000 [m<sup>3</sup>/h], prevalencias hasta 600 [Pa].

## CARACTERÍSTICAS TÉCNICAS

Estructura de acero galvanizado con aislamiento termoacústico.

Motores eléctricos instalables: monofásicos con tensión de alimentación 230 [V] a 50 [Hz], motores trifásicos tensión 230/400 [V] a 50 [Hz]

- Conexiones circulares para facilitar la conexión con la tubería
- Puerta de inspección de fácil acceso
- Fondo y tapa recubiertos con paneles fonoabsorbentes
- Impulsor de palas invertidas directamente acoplado al motor eléctrico monofásico, equipado con protección térmica incorporada, clase F IP 33 caja de

terminales en IP 65

- Temperatura de aspiración: Min -20 Max 55 °c
- Filtros cat. G4/F6/F7/F8/F9 Clase EN779:2012 \_ ISO EN 16890

## ACCESORIOS:

- Presostato diferencial
- Interruptor ON/OFF
- Regulador de velocidad manual RMM
- Regulador digital de la velocidad RMD
- Inverter

*Box fan with single inlet and backward bladed fans (plug fan). It is suited to extract air with airflow ranging from 200 and 4000 [m<sup>3</sup>/h], prevalence up to 900 [Pa].*

## TECHNICAL SPECIFICATIONS:

*Galvanized steel structure with thermal and acoustic insulation.*

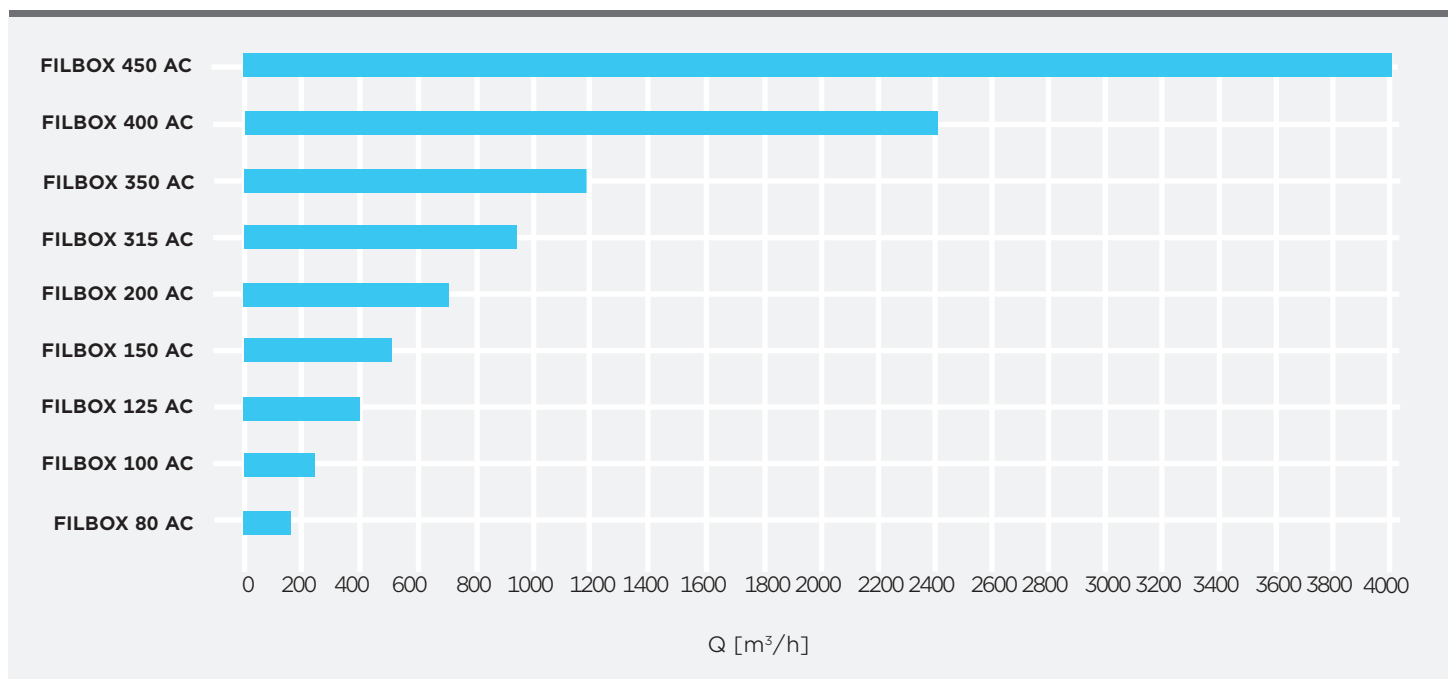
*Installable electric motors: single-phase motors with supply voltage from 230 [V] to 50 [Hz]; three-phase motors with supply voltage from 230/400 [V] to 50 [Hz].*

- Circular connection that make the connection with the pipe easier
- Easily accessible inspection door
- Base tray and lid covered with sound absorbing panels
- Backward bladed fans directly coupled with the single-phase electric motor, equipped with incorporated thermal protection, F class, IP 33, IP 65 terminal box
- Temperature of the intake air: min. -20 °C, max. 55 °C
- G4/F6/F7/F8/F9 filters, EN779:2012 Class, ISO EN 16890

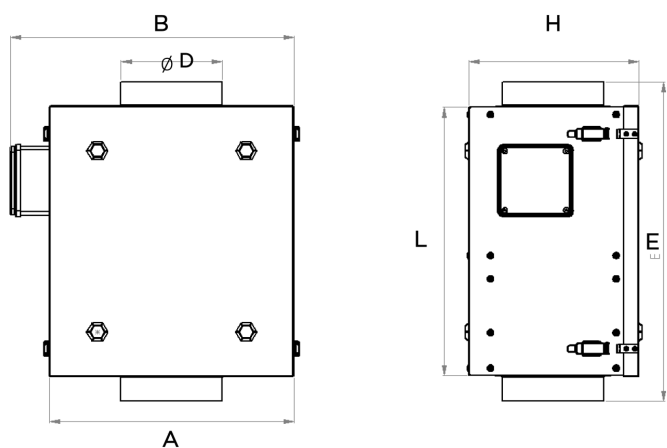
## ACCESSORIES:

- Differential pressure switch
- ON/OFF switch
- Manual speed regulator RMM
- Digital speed regulator RMD
- Inverter

## MODELOS - RANGO FLUJO DE AIRE / MODELS - AIRFLOW RANGE



## DIMENSIONES / DIMENSIONS



| DIMENSIONES / DIMENSIONS |     |     |     |     |     |     |                  |
|--------------------------|-----|-----|-----|-----|-----|-----|------------------|
| TALLA<br>SIZE            | A   | ØD  | E   | L   | H   | B   | FILTRO<br>FILTER |
| 80                       | 240 | 80  | 450 | 350 | 240 | 290 | 200x200x24       |
| 100                      | 240 | 100 | 450 | 350 | 240 | 290 | 200x200x24       |
| 125                      | 340 | 125 | 500 | 400 | 240 | 390 | 340x240x24       |
| 150                      | 340 | 150 | 500 | 400 | 240 | 390 | 340x240x24       |
| 200                      | 340 | 200 | 500 | 400 | 300 | 390 | 340x300x24       |
| 315                      | 450 | 315 | 500 | 400 | 340 | 500 | 450x340x24       |
| 350                      | 500 | 350 | 550 | 450 | 400 | 550 | 500x400x48       |
| 400                      | 500 | 400 | 700 | 600 | 500 | 550 | 500x400x48       |
| 450                      | 630 | 450 | 830 | 730 | 700 | 680 | 630x700x48       |



Presostato diferencial

Differential pressure switch



Interruptor ON/OFF

ON/OFF switch



Inverter

Inverter



Regulador manual de velocidad RMM

Manual speed regulator RMM

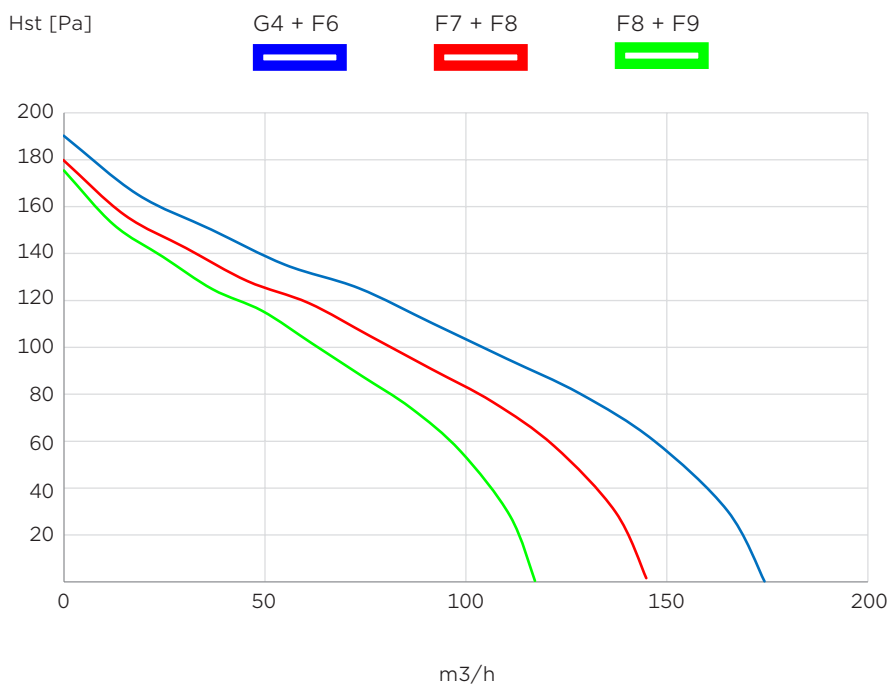


Regulador digital de velocidad RMD

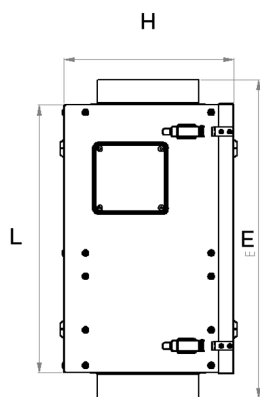
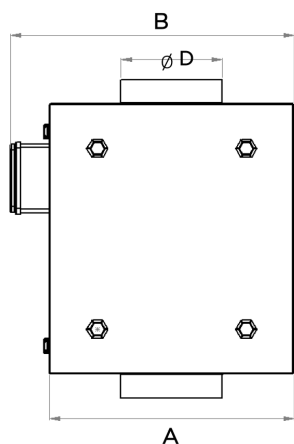
Digital speed regulator RMD

## DATOS NOMINALES MOTORES ELÉCTRICOS / ELECTRIC MOTORS NOMINAL DATA

|                                                                         |             |
|-------------------------------------------------------------------------|-------------|
| <b>FIL_BOX-80 AC</b>                                                    |             |
| <b>Presión max. Hst [Pa]</b><br><i>Max. pressure [Pa]</i>               | 190 Pa      |
| <b>Caudal max. [m3/h]</b><br><i>Max. airflow [m3/h]</i>                 | 180 m3/h    |
| <b>Temperatura de trabajo °C</b><br><i>Operating temperature °C</i>     | -10 + 60 °C |
| <b>Aislamiento motor clase F</b><br><i>Insulation of motor, F class</i> | Is F        |
| <b>Protección motor</b><br><i>Motor protection</i>                      | IP 44       |
| <b>Velocidad de rotación [RPM]</b><br><i>Rotation speed [RPM]</i>       | 3370 RPM    |
| <b>Potencia nominal [Watt]</b><br><i>Nominal power [Watt]</i>           | 27 Watt     |
| <b>Corriente nominal [A]</b><br><i>Nominal current [A]</i>              | 0,27 A      |
| <b>Frecuencia [Hz]</b><br><i>Frequency [Hz]</i>                         | 50/60 Hz    |
| <b>Fases</b><br><i>Phases</i>                                           | 1~          |
| <b>Tensión de trabajo [V]</b><br><i>Operating voltage [V]</i>           | 200/277 V   |
| <b>Tensión nominal [V]</b><br><i>Rated voltage [V]</i>                  | 230 V       |
| <b>Peso [Kg]</b><br><i>Weight [Kg]</i>                                  | 10 Kg       |



## DIMENSIONES / DIMENSIONS



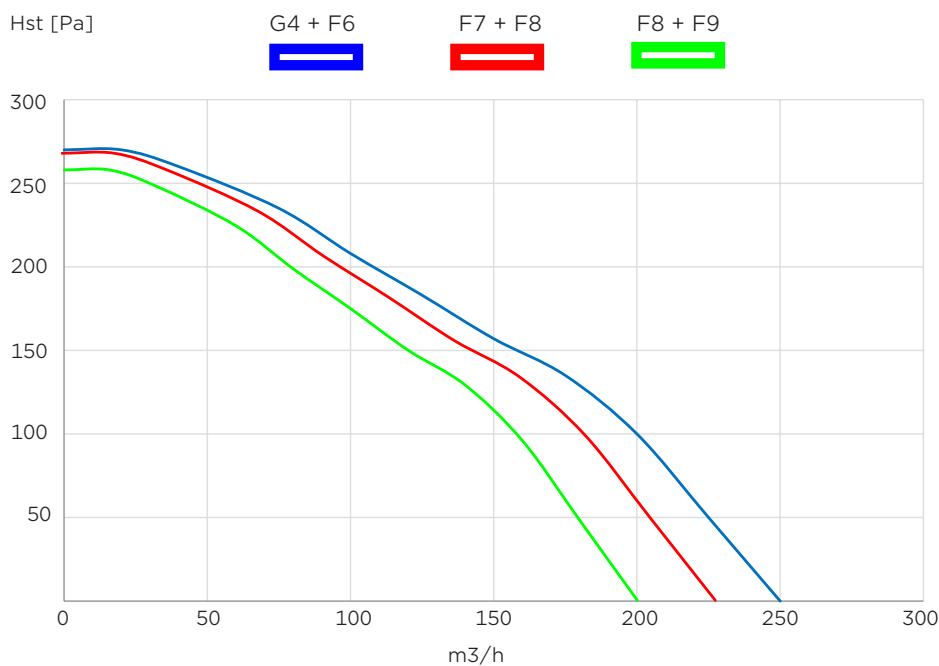
| DIMENSIONES / DIMENSIONS |     |    |     |     |     |     |                  |
|--------------------------|-----|----|-----|-----|-----|-----|------------------|
| TALLA<br>SIZE            | A   | ØD | E   | L   | H   | B   | FILTRO<br>FILTER |
| 80                       | 240 | 80 | 450 | 350 | 240 | 290 | 200x200x24       |

## DIMENSIONES FILTROS / FILTER DIMENSION

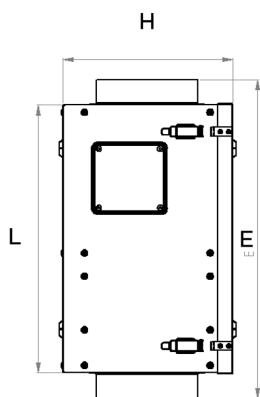
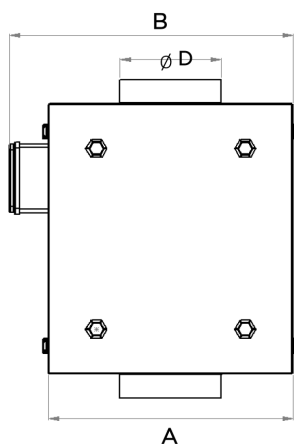
MOD. 200X200X24 N°1+1

## DATOS NOMINALES MOTORES ELÉCTRICOS / ELECTRIC MOTORS NOMINAL DATA

|                                                           |             |
|-----------------------------------------------------------|-------------|
| FIL_BOX-100 AC                                            |             |
| Presión max. Hst [Pa]<br>Max. pressure [Pa]               | 240 Pa      |
| Caudal max. [m3/h]<br>Max. airflow [m3/h]                 | 250 m3/h    |
| Temperatura de trabajo °C<br>Operating temperature °C     | -10 + 60 °C |
| Aislamiento motor clase F<br>Insulation of motor, F class | Is F        |
| Protección motor<br>Motor protection                      | IP 44       |
| Velocidad de rotación [RPM]<br>Rotation speed [RPM]       | 3370 RPM    |
| Potencia nominal [Watt]<br>Nominal power [Watt]           | 27 Watt     |
| Corriente nominal [A]<br>Nominal current [A]              | 0,027 A     |
| Frecuencia [Hz]<br>Frequency [Hz]                         | 50/60 Hz    |
| Fases<br>Phases                                           | 1~          |
| Tensión de trabajo [V]<br>Operating voltage [V]           | 200/277 V   |
| Tensión nominal [V]<br>Rated voltage [V]                  | 230 V       |
| Peso [Kg]<br>Weight [Kg]                                  | 10 Kg       |



## DIMENSIONES / DIMENSIONS



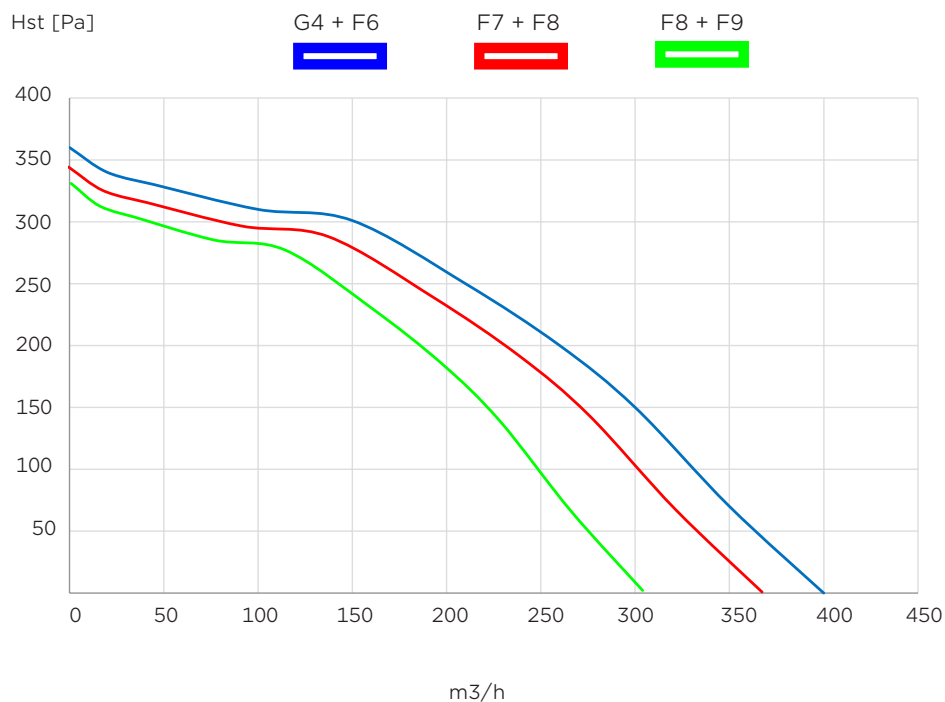
| DIMENSIONES / DIMENSIONS |     |     |     |     |     |     |                  |
|--------------------------|-----|-----|-----|-----|-----|-----|------------------|
| TALLA<br>SIZE            | A   | ØD  | E   | L   | H   | B   | FILTRO<br>FILTER |
| 100                      | 240 | 100 | 450 | 350 | 240 | 290 | 200x200x24       |

## DIMENSIONES FILTROS / FILTER DIMENSION

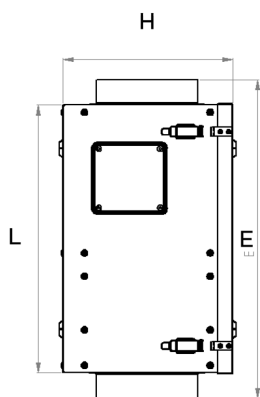
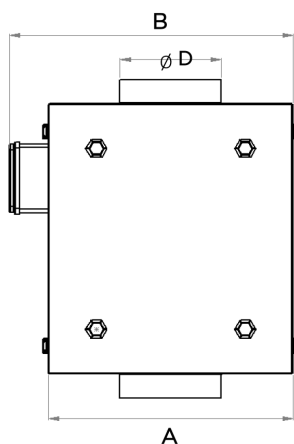
MOD. 200X200X24 N°1+1

## DATOS NOMINALES MOTORES ELÉCTRICOS / ELECTRIC MOTORS NOMINAL DATA

|                                                                               |                       |
|-------------------------------------------------------------------------------|-----------------------|
| <b>FIL_BOX-125 AC</b>                                                         |                       |
| <b>Presión max. Hst [Pa]</b><br><i>Max. pressure [Pa]</i>                     | 350 Pa                |
| <b>Caudal max. [m<sup>3</sup>/h]</b><br><i>Max. airflow [m<sup>3</sup>/h]</i> | 400 m <sup>3</sup> /h |
| <b>Temperatura de trabajo °C</b><br><i>Operating temperature °C</i>           | -10 + 60 °C           |
| <b>Aislamiento motor clase F</b><br><i>Insulation of motor, F class</i>       | Is F                  |
| <b>Protección motor</b><br><i>Motor protection</i>                            | IP 44                 |
| <b>Velocidad de rotación [RPM]</b><br><i>Rotation speed [RPM]</i>             | 2570 RPM              |
| <b>Potencia nominal [Watt]</b><br><i>Nominal power [Watt]</i>                 | 80 Watt               |
| <b>Corriente nominal [A]</b><br><i>Nominal current [A]</i>                    | 0,33 A                |
| <b>Frecuencia [Hz]</b><br><i>Frequency [Hz]</i>                               | 50/60 Hz              |
| <b>Fases</b><br><i>Phases</i>                                                 | 1~                    |
| <b>Tensión de trabajo [V]</b><br><i>Operating voltage [V]</i>                 | 200/277 V             |
| <b>Tensión nominal [V]</b><br><i>Rated voltage [V]</i>                        | 230 V                 |
| <b>Peso [Kg]</b><br><i>Weight [Kg]</i>                                        | 16 Kg                 |



## DIMENSIONES / DIMENSIONS



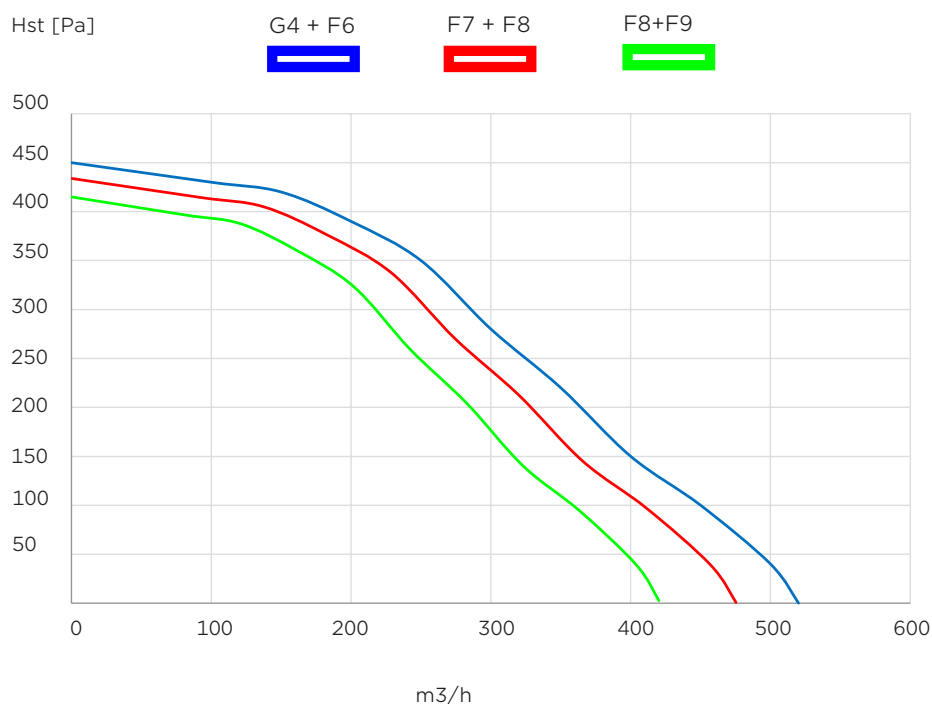
| DIMENSIONES / DIMENSIONS |     |     |     |     |     |     |                  |
|--------------------------|-----|-----|-----|-----|-----|-----|------------------|
| TALLA<br>SIZE            | A   | ØD  | E   | L   | H   | B   | FILTRO<br>FILTER |
| 125                      | 340 | 125 | 500 | 400 | 240 | 390 | 340x240x24       |

## DIMENSIONES FILTROS / FILTER DIMENSION

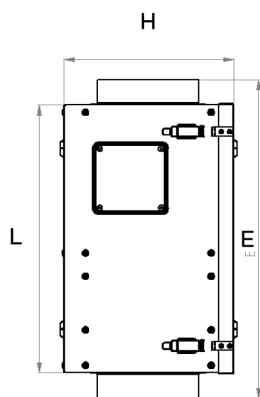
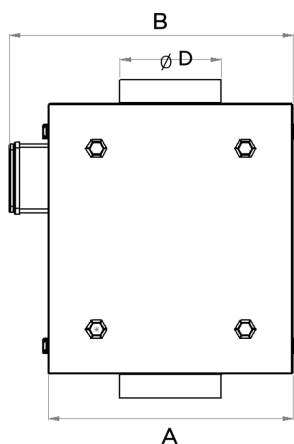
MOD. 340x240x24 N°1+1

## DATOS NOMINALES MOTORES ELÉCTRICOS / ELECTRIC MOTORS NOMINAL DATA

|                                                                     |                       |
|---------------------------------------------------------------------|-----------------------|
| FIL_BOX-150 AC                                                      |                       |
| Presión max. Hst [Pa]<br>Max. pressure [Pa]                         | 450 Pa                |
| Caudal max. [m <sup>3</sup> /h]<br>Max. airflow [m <sup>3</sup> /h] | 500 m <sup>3</sup> /h |
| Temperatura de trabajo °C<br>Operating temperature °C               | -10 + 60 °C           |
| Aislamiento motor clase F<br>Insulation of motor, F class           | Is F                  |
| Protección motor<br>Motor protection                                | IP 44                 |
| Velocidad de rotación [RPM]<br>Rotation speed [RPM]                 | 2660 RPM              |
| Potencia nominal [Watt]<br>Nominal power [Watt]                     | 133 Watt              |
| Corriente nominal [A]<br>Nominal current [A]                        | 0,45 A                |
| Frecuencia [Hz]<br>Frequency [Hz]                                   | 50/60 Hz              |
| Fases<br>Phases                                                     | 1~                    |
| Tensión de trabajo [V]<br>Operating voltage [V]                     | 200/277 V             |
| Tensión nominal [V]<br>Rated voltage [V]                            | 230 V                 |
| Peso [Kg]<br>Weight [Kg]                                            | 14 Kg                 |



## DIMENSIONES / DIMENSIONS



| DIMENSIONES / DIMENSIONS |     |     |     |     |     |     |                  |
|--------------------------|-----|-----|-----|-----|-----|-----|------------------|
| TALLA<br>SIZE            | A   | ØD  | E   | L   | H   | B   | FILTRO<br>FILTER |
| 150                      | 340 | 150 | 500 | 400 | 240 | 390 | 340x240x24       |

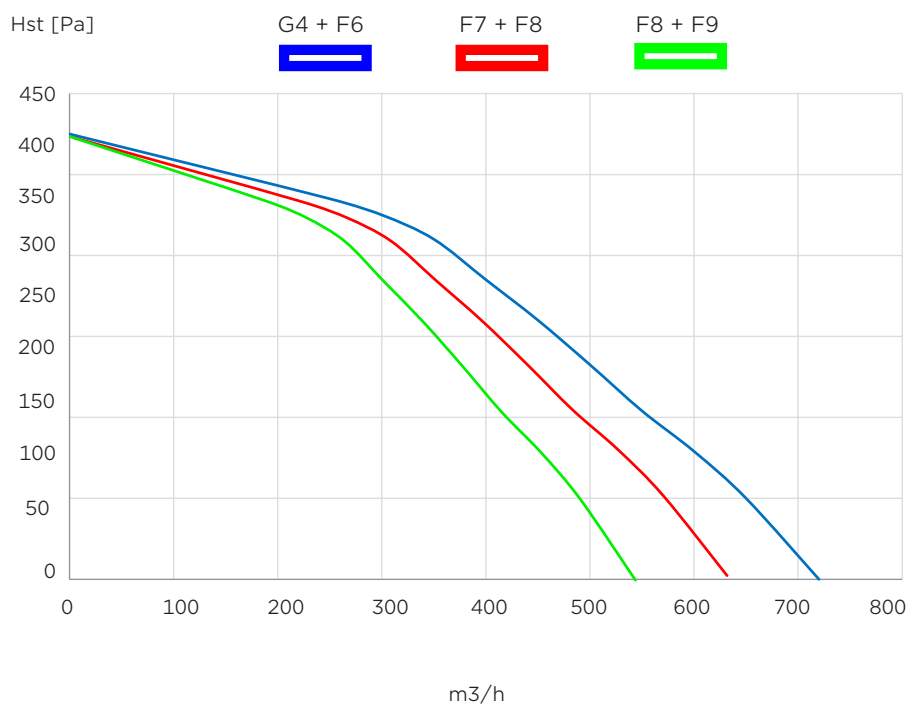
## DIMENSIONES FILTROS / FILTER DIMENSION

MOD. 340x240x24 N°1+1

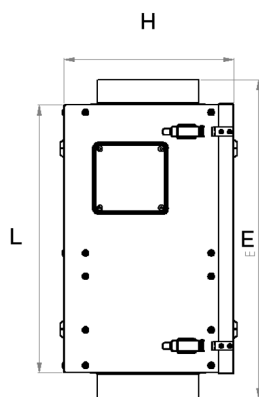
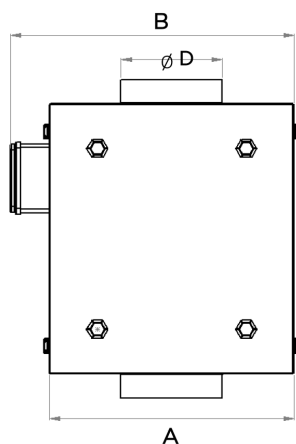


## DATOS NOMINALES MOTORES ELÉCTRICOS / ELECTRIC MOTORS NOMINAL DATA

|                                                                     |                       |
|---------------------------------------------------------------------|-----------------------|
| FIL_BOX-200 AC                                                      |                       |
| Presión max. Hst [Pa]<br>Max. pressure [Pa]                         | 550 Pa                |
| Caudal max. [m <sup>3</sup> /h]<br>Max. airflow [m <sup>3</sup> /h] | 700 m <sup>3</sup> /h |
| Temperatura de trabajo °C<br>Operating temperature °C               | -10 + 60 °C           |
| Aislamiento motor clase F<br>Insulation of motor, F class           | Is F                  |
| Protección motor<br>Motor protection                                | IP 44                 |
| Velocidad de rotación [RPM]<br>Rotation speed [RPM]                 | 2700 RPM              |
| Potencia nominal [Watt]<br>Nominal power [Watt]                     | 160 Watt              |
| Corriente nominal [A]<br>Nominal current [A]                        | 0,69 A                |
| Frecuencia [Hz]<br>Frequency [Hz]                                   | 50/60 Hz              |
| Fases<br>Phases                                                     | 1~                    |
| Tensión de trabajo [V]<br>Operating voltage [V]                     | 200/277 V             |
| Tensión nominal [V]<br>Rated voltage [V]                            | 230 V                 |
| Peso [Kg]<br>Weight [Kg]                                            | 18 Kg                 |



## DIMENSIONES / DIMENSIONS



| DIMENSIONES / DIMENSIONS |     |     |     |     |     |     |                  |
|--------------------------|-----|-----|-----|-----|-----|-----|------------------|
| TALLA<br>SIZE            | A   | ØD  | E   | L   | H   | B   | FILTRO<br>FILTER |
| 200                      | 340 | 200 | 500 | 400 | 300 | 390 | 340x300x24       |

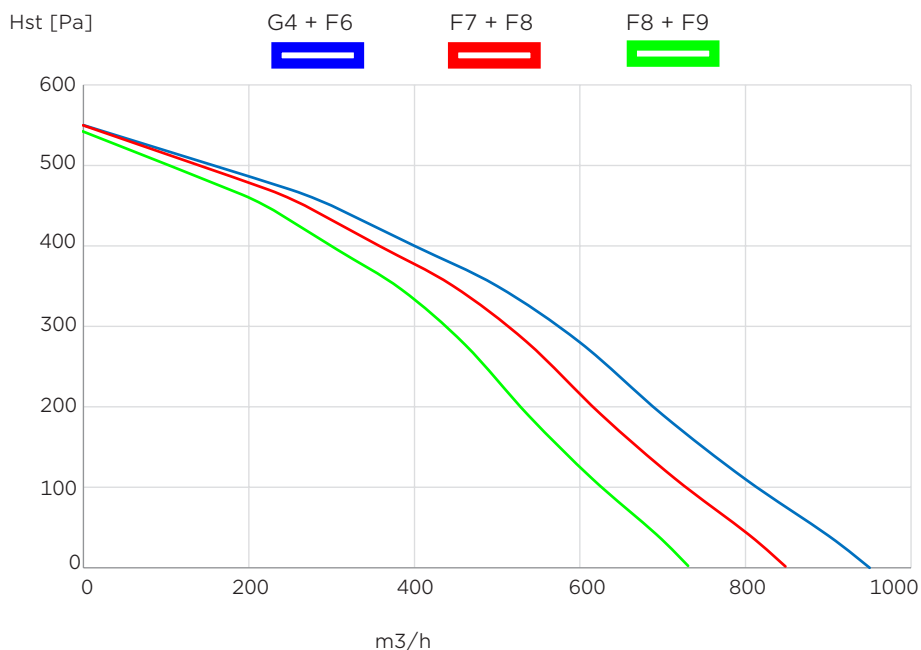
## DIMENSIONES FILTROS / FILTER DIMENSION

MOD. 340x300x24 N°1+1

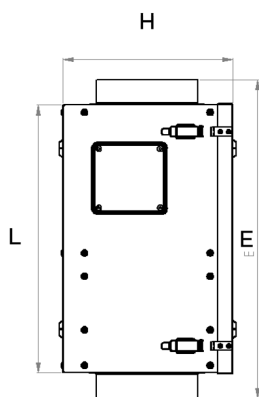
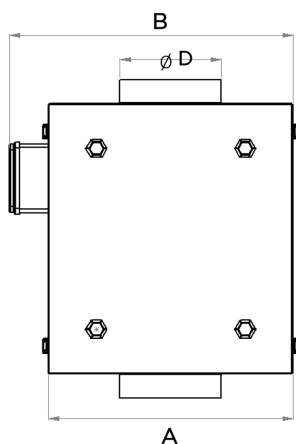
# FIL\_BOX/315 AC

## DATOS NOMINALES MOTORES ELÉCTRICOS / ELECTRIC MOTORS NOMINAL DATA

|                                                           |             |
|-----------------------------------------------------------|-------------|
| FIL_BOX-315 AC                                            |             |
| Presión max. Hst [Pa]<br>Max. pressure [Pa]               | 540 Pa      |
| Caudal max. [m3/h]<br>Max. airflow [m3/h]                 | 950 m3/h    |
| Temperatura de trabajo °C<br>Operating temperature °C     | -10 + 60 °C |
| Aislamiento motor clase F<br>Insulation of motor, F class | Is F        |
| Protección motor<br>Motor protection                      | IP 44       |
| Velocidad de rotación [RPM]<br>Rotation speed [RPM]       | 2760 RPM    |
| Potencia nominal [Watt]<br>Nominal power [Watt]           | 170 Watt    |
| Corriente nominal [A]<br>Nominal current [A]              | 0,74 A      |
| Frecuencia [Hz]<br>Frequency [Hz]                         | 50/60 Hz    |
| Fases<br>Phases                                           | 1~          |
| Tensión de trabajo [V]<br>Operating voltage [V]           | 200/277 V   |
| Tensión nominal [V]<br>Rated voltage [V]                  | 230 V       |
| Peso [Kg]<br>Weight [Kg]                                  | 20 Kg       |



## DIMENSIONES / DIMENSIONS



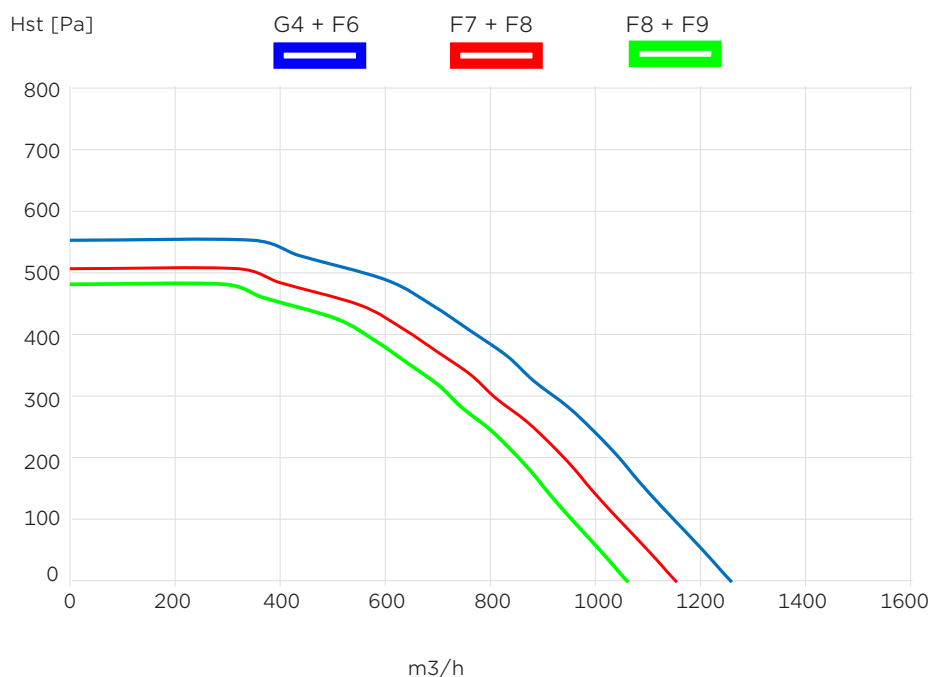
| DIMENSIONES/ DIMENSIONS |     |     |     |     |     |     |                  |
|-------------------------|-----|-----|-----|-----|-----|-----|------------------|
| TALLA<br>SIZE           | A   | ØD  | E   | L   | H   | B   | FILTRO<br>FILTER |
| 315                     | 450 | 315 | 500 | 400 | 340 | 500 | 450x340x24       |

## DIMENSIONES FILTROS / FILTER DIMENSION

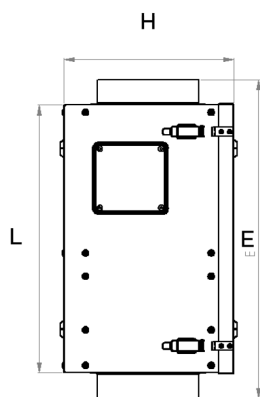
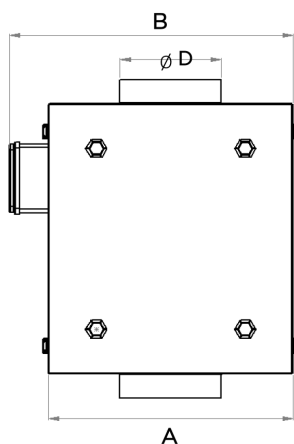
MOD. 450x340x24 N°1+1

## DATOS NOMINALES MOTORES ELÉCTRICOS / ELECTRIC MOTORS NOMINAL DATA

|                                                           |             |
|-----------------------------------------------------------|-------------|
| FIL_BOX-350 AC                                            |             |
| Presión max. Hst [Pa]<br>Max. pressure [Pa]               | 540 Pa      |
| Caudal max. [m3/h]<br>Max. airflow [m3/h]                 | 1200 m3/h   |
| Temperatura de trabajo °C<br>Operating temperature °C     | -10 + 60 °C |
| Aislamiento motor clase F<br>Insulation of motor, F class | Is F        |
| Protección motor<br>Motor protection                      | IP 44       |
| Velocidad de rotación [RPM]<br>Rotation speed [RPM]       | 2750 RPM    |
| Potencia nominal [Watt]<br>Nominal power [Watt]           | 170 Watt    |
| Corriente nominal [A]<br>Nominal current [A]              | 0,70 A      |
| Frecuencia [Hz]<br>Frequency [Hz]                         | 50/60 Hz    |
| Fases<br>Phases                                           | 1~          |
| Tensión de trabajo [V]<br>Operating voltage [V]           | 200/277 V   |
| Tensión nominal [V]<br>Rated voltage [V]                  | 230 V       |
| Peso [Kg]<br>Weight [Kg]                                  | 25 Kg       |



## DIMENSIONES / DIMENSIONS



| DIMENSIONES / DIMENSIONS |     |     |     |     |     |     |                  |
|--------------------------|-----|-----|-----|-----|-----|-----|------------------|
| TALLA<br>SIZE            | A   | ØD  | E   | L   | H   | B   | FILTRO<br>FILTER |
| 350                      | 500 | 350 | 550 | 450 | 400 | 550 | 500x400x48       |

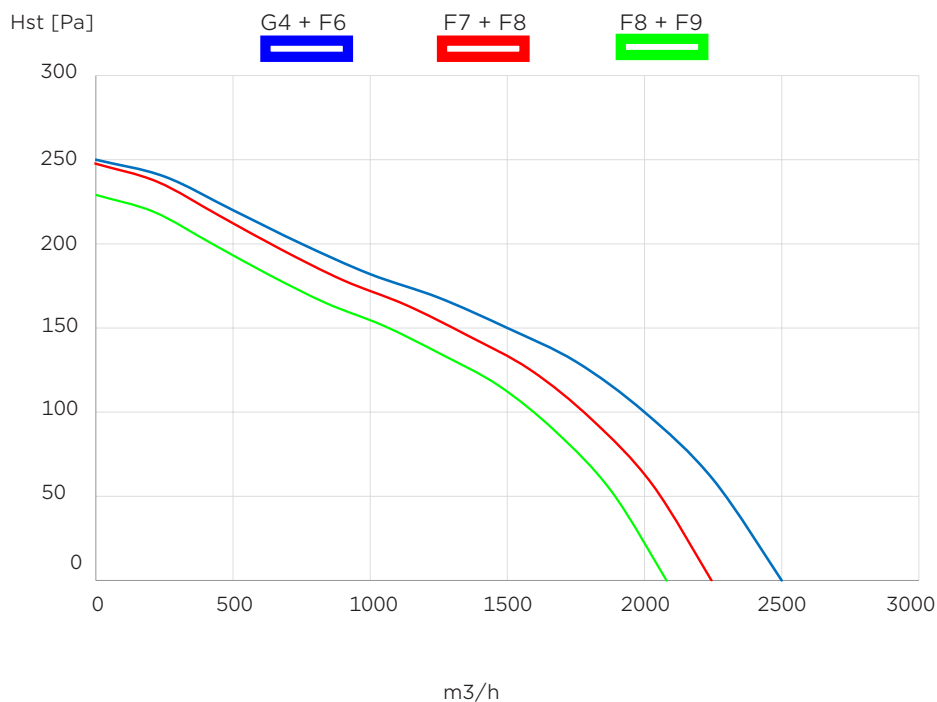
## DIMENSIONES FILTROS / FILTER DIMENSION

MOD. 500x400x48 N°1+1

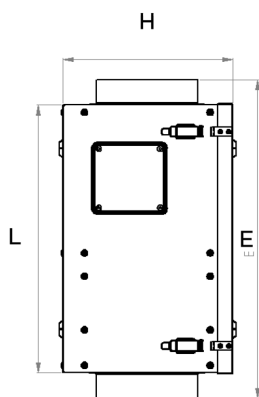
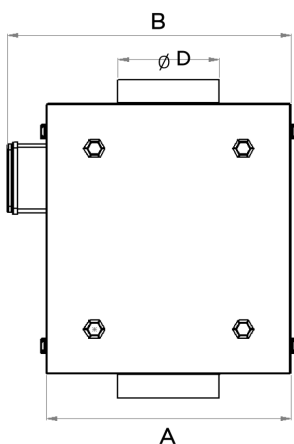
# FIL\_BOX/400-AC

## DATOS NOMINALES MOTORES ELÉCTRICOS / ELECTRIC MOTORS NOMINAL DATA

|                                                                     |                        |
|---------------------------------------------------------------------|------------------------|
| FIL_BOX-400 AC                                                      |                        |
| Presión max. Hst [Pa]<br>Max. pressure [Pa]                         | 230 Pa                 |
| Caudal max. [m <sup>3</sup> /h]<br>Max. airflow [m <sup>3</sup> /h] | 2400 m <sup>3</sup> /h |
| Temperatura de trabajo °C<br>Operating temperature °C               | -10 + 60 °C            |
| Aislamiento motor clase F<br>Insulation of motor, F class           | Is F                   |
| Protección motor<br>Motor protection                                | IP 44                  |
| Velocidad de rotación [RPM]<br>Rotation speed [RPM]                 | 1390 RPM               |
| Potencia nominal [Watt]<br>Nominal power [Watt]                     | 440 Watt               |
| Corriente nominal [A]<br>Nominal current [A]                        | 4,8 A                  |
| Frecuencia [Hz]<br>Frequency [Hz]                                   | 50 Hz                  |
| Fases<br>Phases                                                     | 1~                     |
| Tensión de trabajo [V]<br>Operating voltage [V]                     | 200/277 V              |
| Tensión nominal [V]<br>Rated voltage [V]                            | 230 V                  |
| Peso [Kg]<br>Weight [Kg]                                            | 42 Kg                  |



## DIMENSIONES / DIMENSIONS



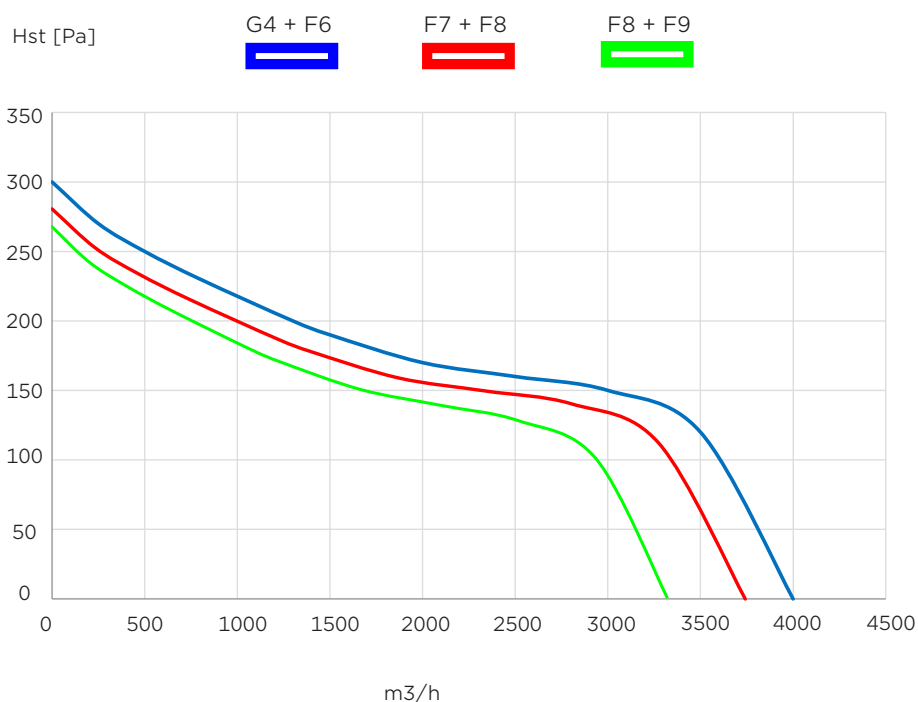
| DIMENSIONES / DIMENSIONS |     |     |     |     |     |     |                  |
|--------------------------|-----|-----|-----|-----|-----|-----|------------------|
| TALLA<br>SIZE            | A   | ØD  | E   | L   | H   | B   | FILTRO<br>FILTER |
| 400                      | 500 | 400 | 700 | 600 | 500 | 550 | 500x400x48       |

## DIMENSIONES FILTROS / FILTER DIMENSION

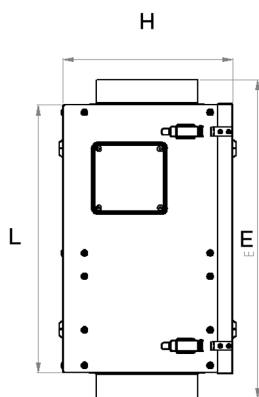
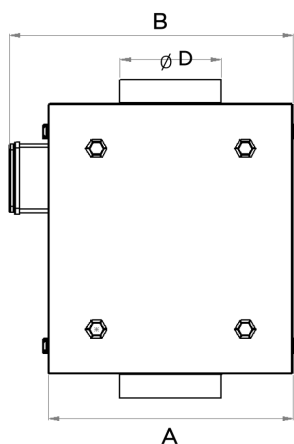
MOD. 500x400x48 N°1+1

## DATOS NOMINALES MOTORES ELÉCTRICOS / ELECTRIC MOTORS NOMINAL DATA

|                                                           |             |
|-----------------------------------------------------------|-------------|
| FIL_BOX-450 AC                                            |             |
| Presión max. Hst [Pa]<br>Max. pressure [Pa]               | 300 Pa      |
| Caudal max. [m3/h]<br>Max. airflow [m3/h]                 | 4000 m3/h   |
| Temperatura de trabajo °C<br>Operating temperature °C     | -10 + 60 °C |
| Aislamiento motor clase F<br>Insulation of motor, F class | Is F        |
| Protección motor<br>Motor protection                      | IP 44       |
| Velocidad de rotación [RPM]<br>Rotation speed [RPM]       | 890 RPM     |
| Potencia nominal [Watt]<br>Nominal power [Watt]           | 1100 Watt   |
| Corriente nominal [A]<br>Nominal current [A]              | 5,2 A       |
| Frecuencia [Hz]<br>Frequency [Hz]                         | 50 Hz       |
| Fases<br>Phases                                           | 3~          |
| Tensión de trabajo [V]<br>Operating voltage [V]           | 230/400 V   |
| Tensión nominal [V]<br>Rated voltage [V]                  | 400 V       |
| Peso [Kg]<br>Weight [Kg]                                  | 42 Kg       |



## DIMENSIONES / DIMENSIONS



| DIMENSIONES / DIMENSIONS |     |     |     |     |     |     |                  |
|--------------------------|-----|-----|-----|-----|-----|-----|------------------|
| TALLA<br>SIZE            | A   | ØD  | E   | L   | H   | B   | FILTRO<br>FILTER |
| 450                      | 630 | 450 | 830 | 730 | 700 | 680 | 630x700x48       |

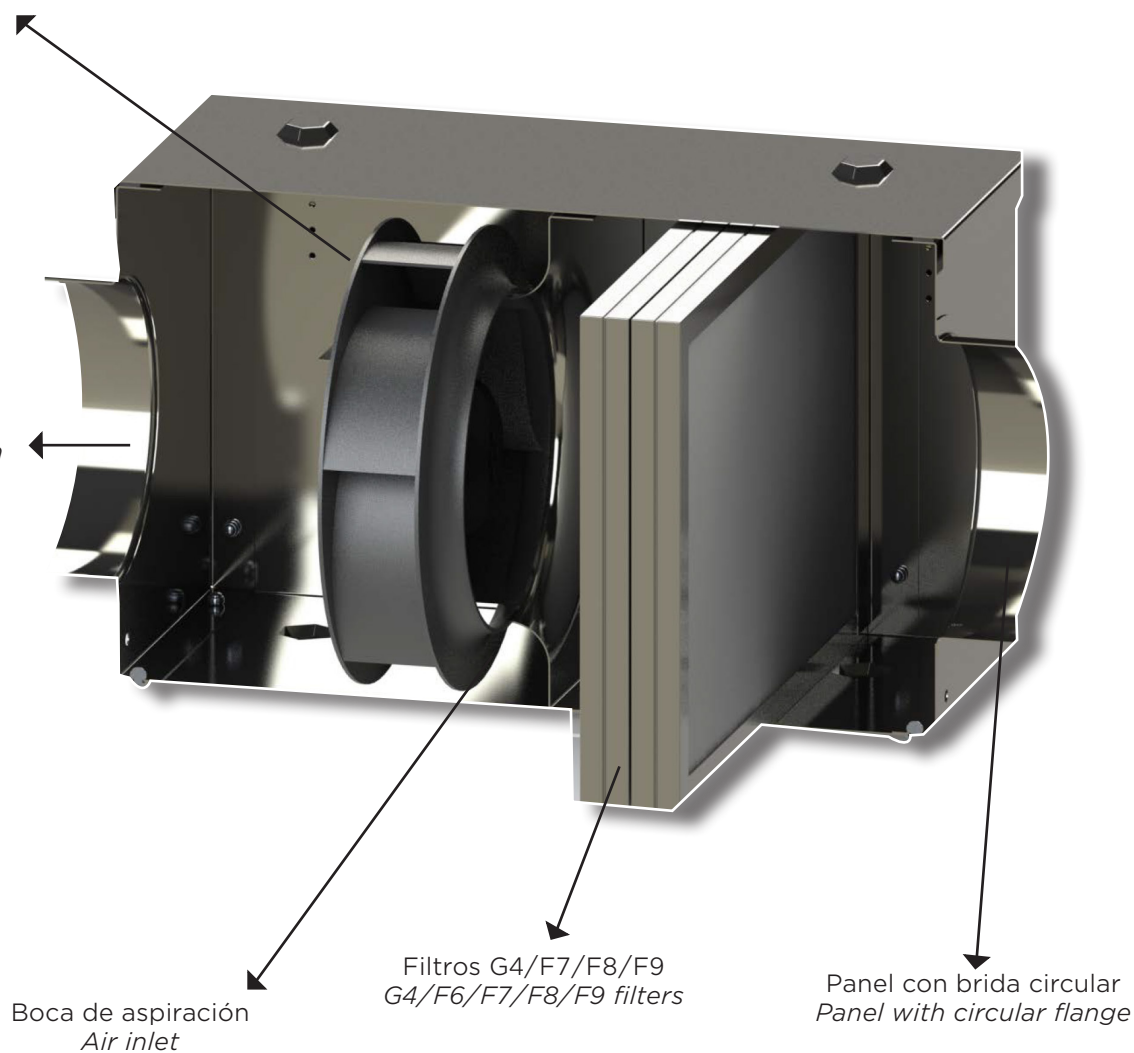
## DIMENSIONES FILTROS / FILTER DIMENSION

MOD. 630x700x48 N°1+1

Caja de acero galvanizado  
*Box made of galvanized steel*

Motor ventilador plug fan  
*Plug fan*

Conexión circular  
*Circular connection*







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